FIG. 1

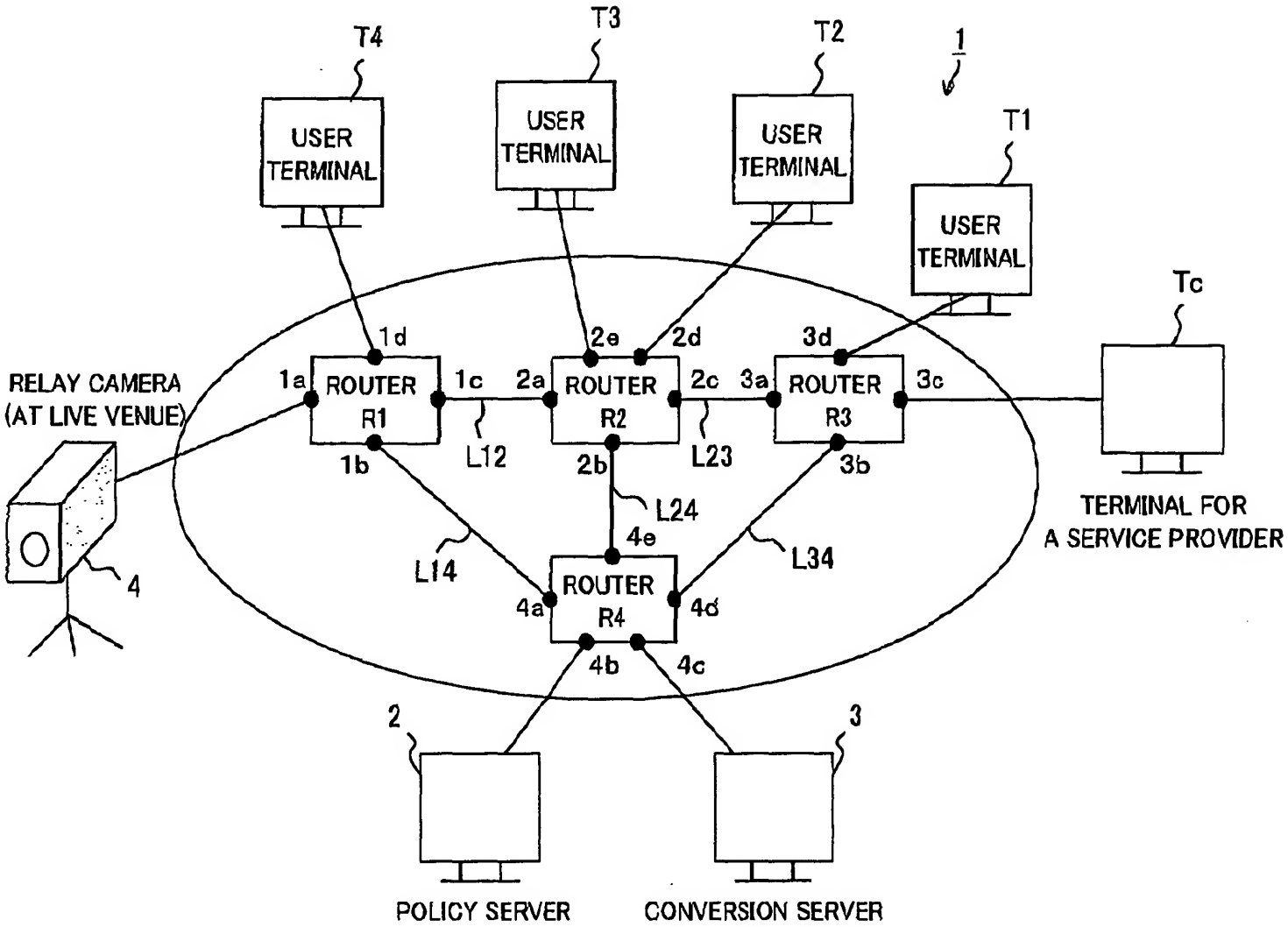

T4
T3
T2
1
T1
USER TERMINAL
USER TERMINAL
USER TERMINAL
USER TERMINAL
Tc
1d
2e
2d
3d
RELAY CAMERA (AT LIVE VENUE)
1a
ROUTER R1
1c
2a
ROUTER R2
2c
3a
ROUTER R3
3c
1b
L12
2b
L23
3b
TERMINAL FOR A SERVICE PROVIDER
L24
4e
L14
L34
4
ROUTER R4
4a
4d
4b
4c
2
3
POLICY SERVER
CONVERSION SERVER

FIG. 2

PATH INFO. RETAINED IN A POLICY SERVER

PATH NO.	PATH DATA	MAXIMUM BANDWIDTH	AVAILABLE BANDWIDTH
1	1a−1c−2a−2c−3a−3d	1Gbps	1Gbps
2	1a−1b−4a−4d−3b−3d	100Mbps	100Mbps
3	1a−1c−2a−2b−4e−4d−3b−3d	1Gbps	1Gbps
4	1a−1b−4a−4e−2b−2c−3a−3d	100Mbps	100Mbps
5	1a−1c−2a−2d	1Gbps	1Gbps
.	.	.	.
.	.	.	.
.	.	.	.

FIG. 3

CONFIGURATION OF CONVERSION SERVER

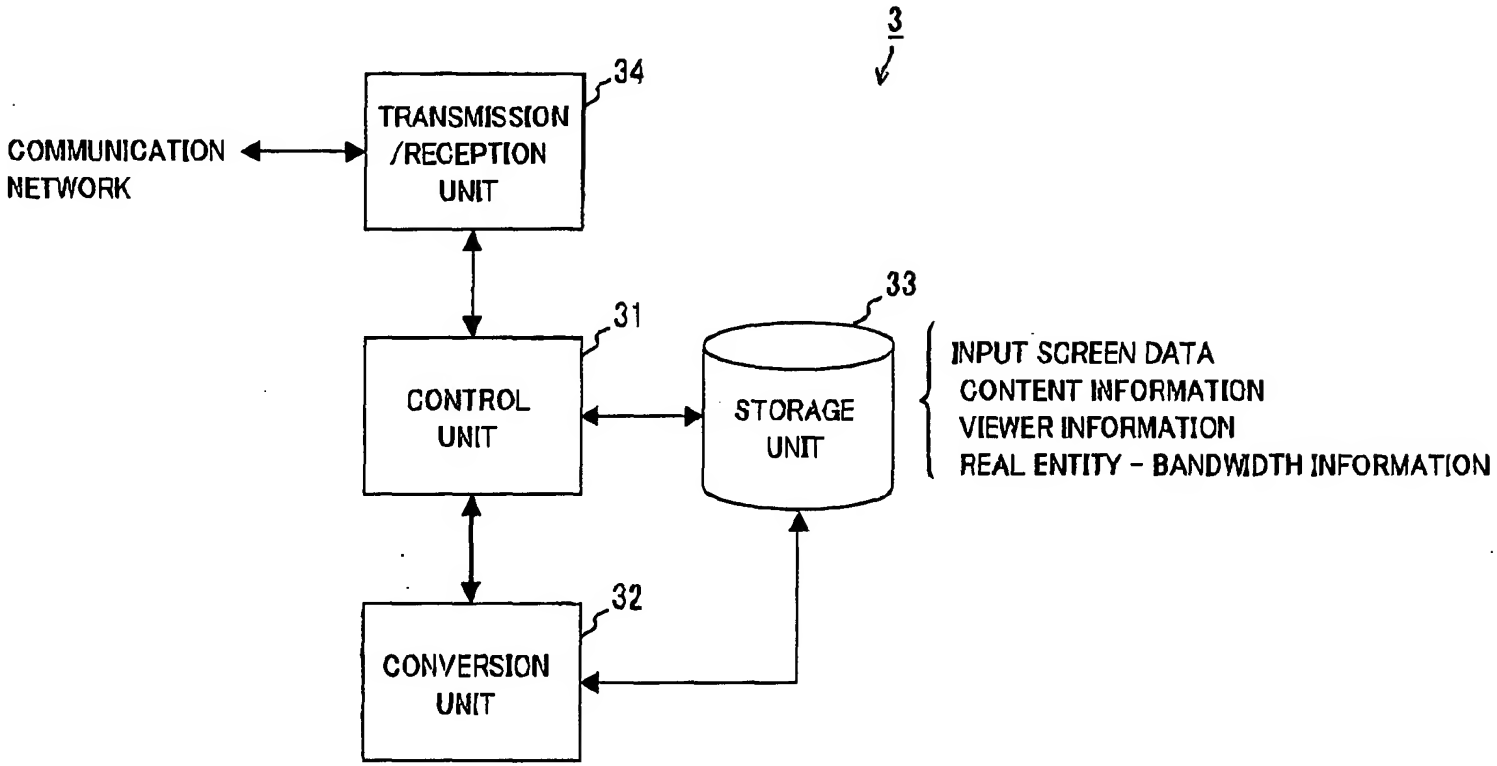


FIG. 4

SERVICE REGISTRATION SCREEN
(SERVICE SELECTION)

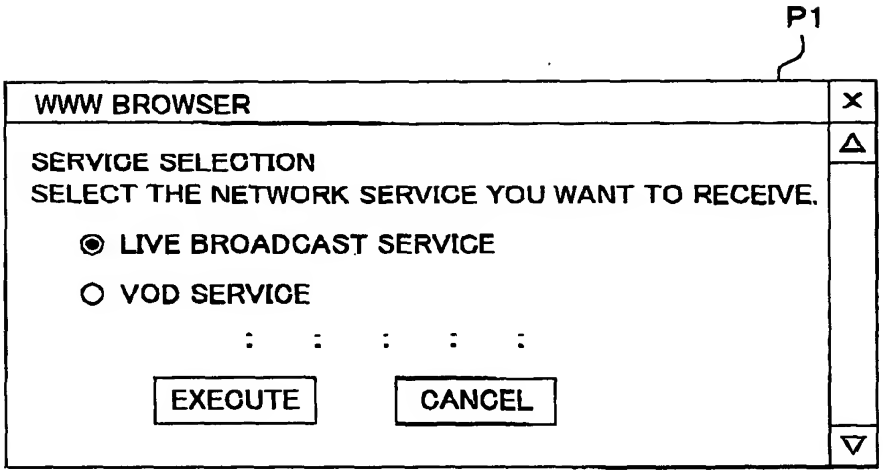


FIG. 5 SERVICE REGISTRATION SCREEN (SERVICE CONTENT INPUT)

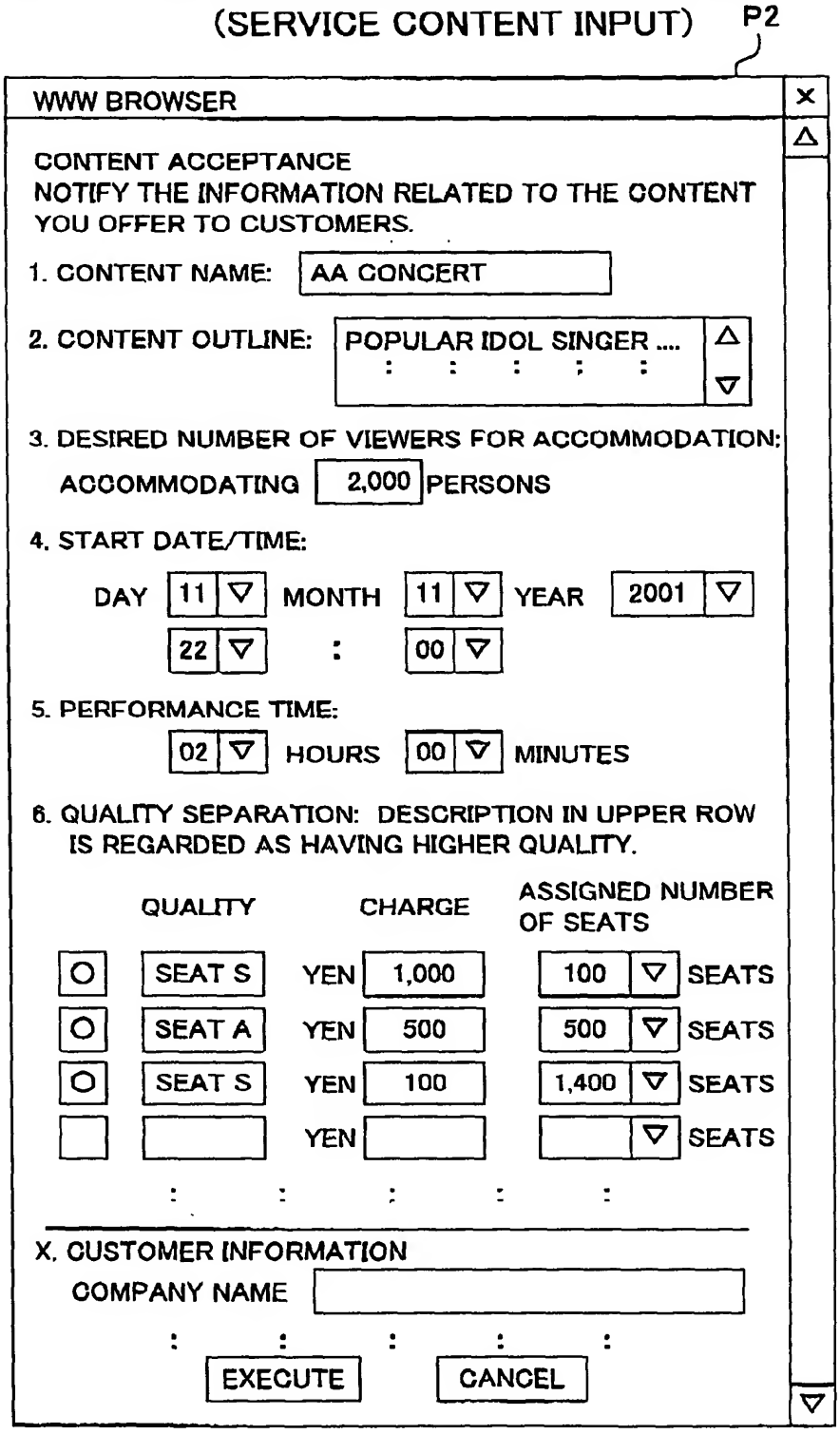


FIG. 6

SERVICE REGISTRATION SCREEN
(SERVICE REGISTRATION COMPLETION)

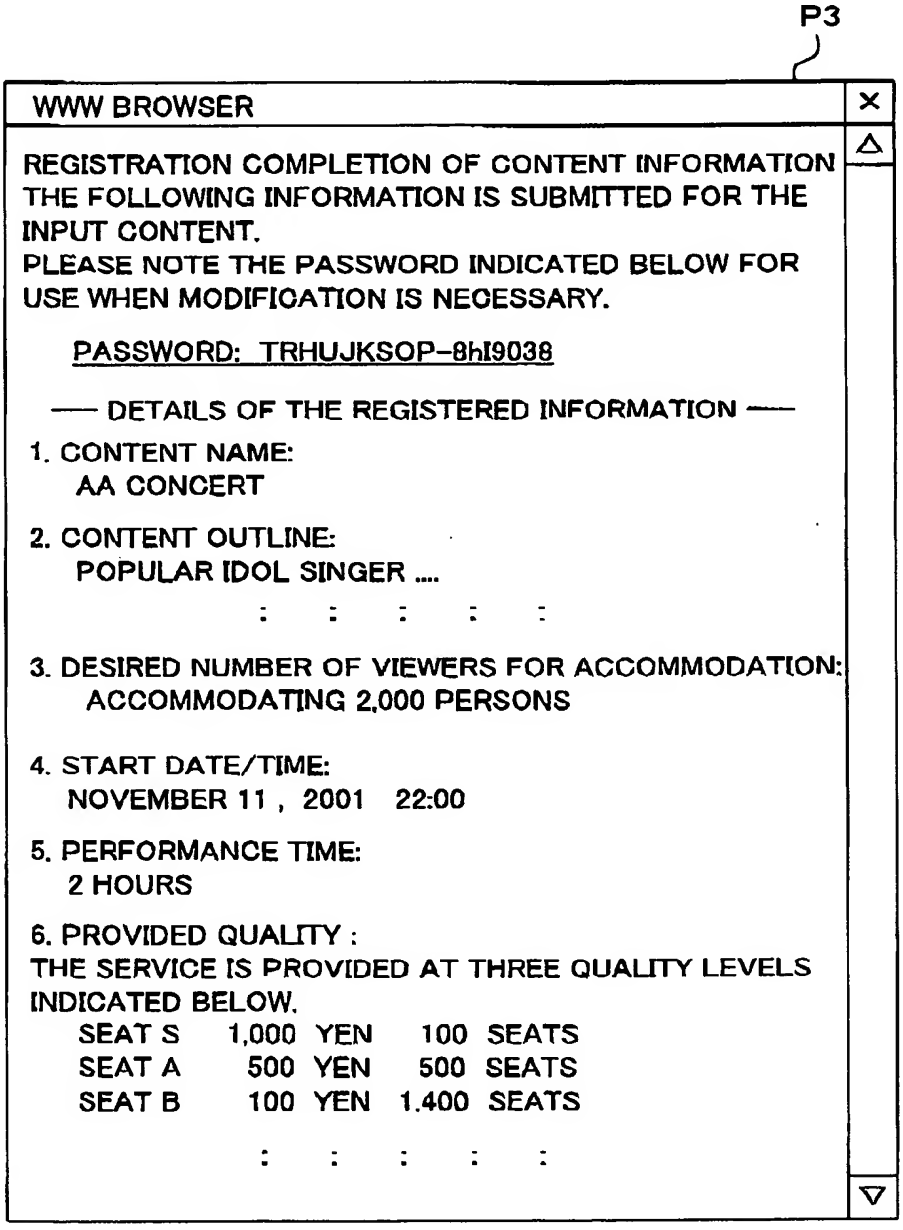


FIG. 7

CONTENT INFORMATION

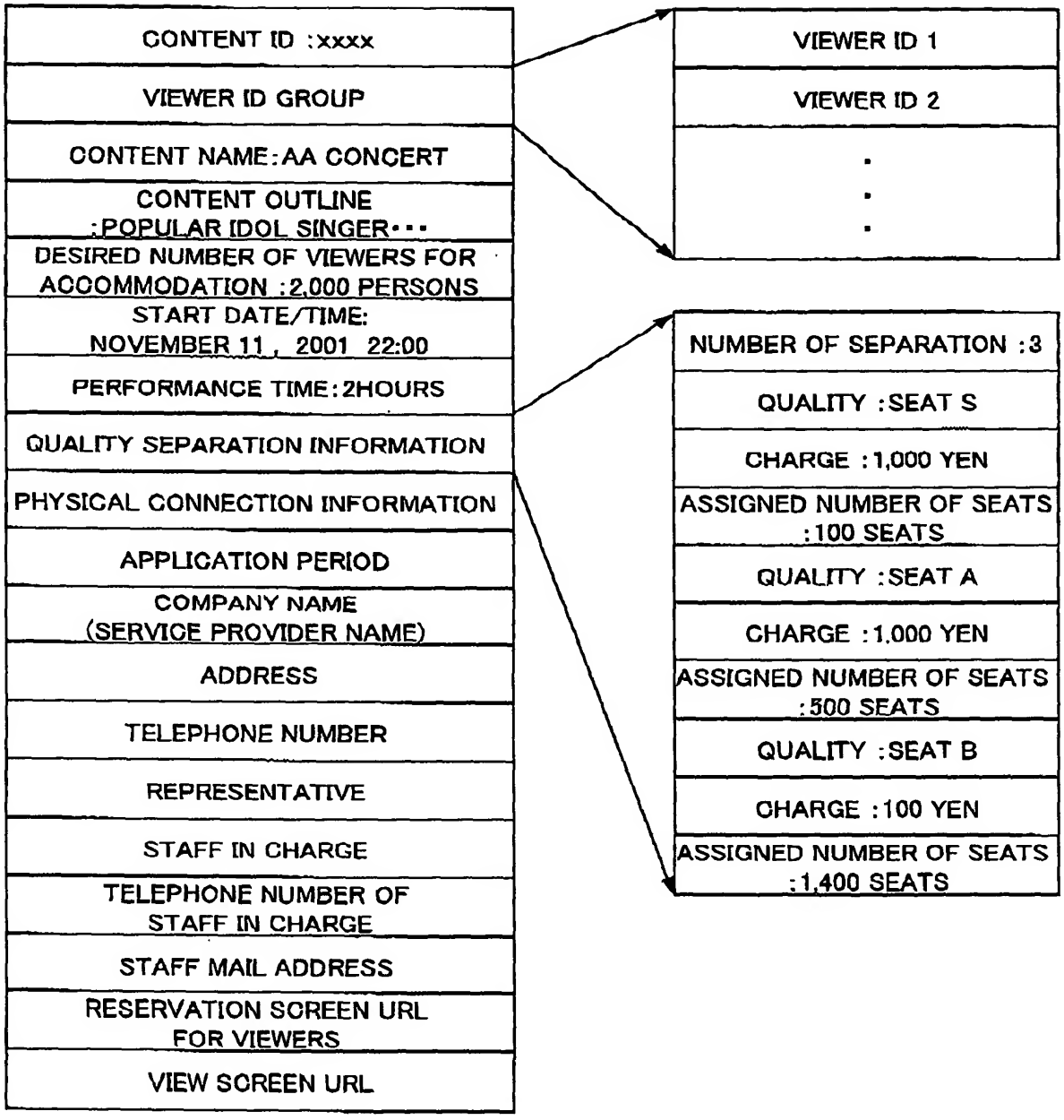


FIG. 8

SERVICE CONTENT MODIFICATION SCREEN
(SERVICE CONTENT MODIFICATION ACCEPTANCE)

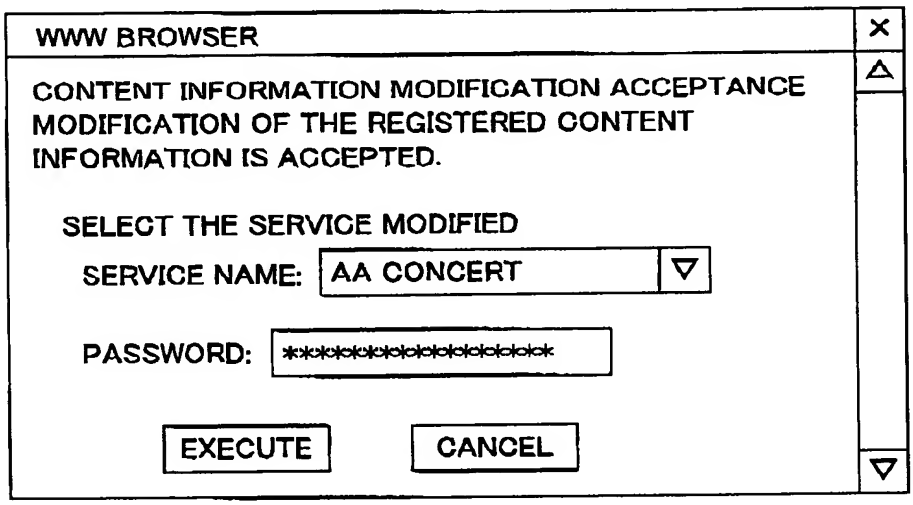


FIG. 9 SERVICE CONTENT MODIFICATION SCREEN (SERVICE CONTENT MODIFICATION INPUT)

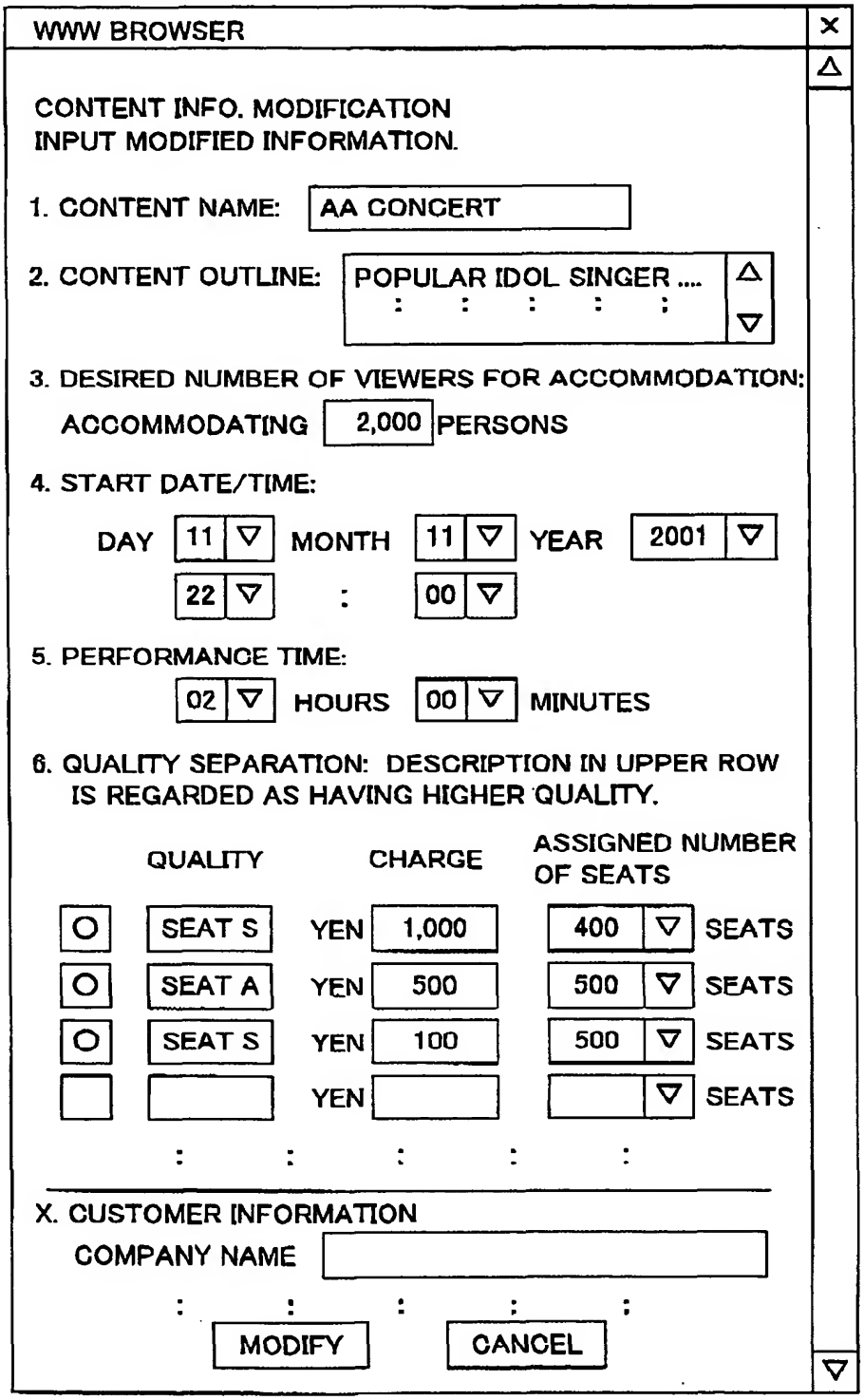


FIG. 10

SERVICE CONTENT MODIFICATION SCREEN
(SERVICE CONTENT MODIFICATION INPUT)

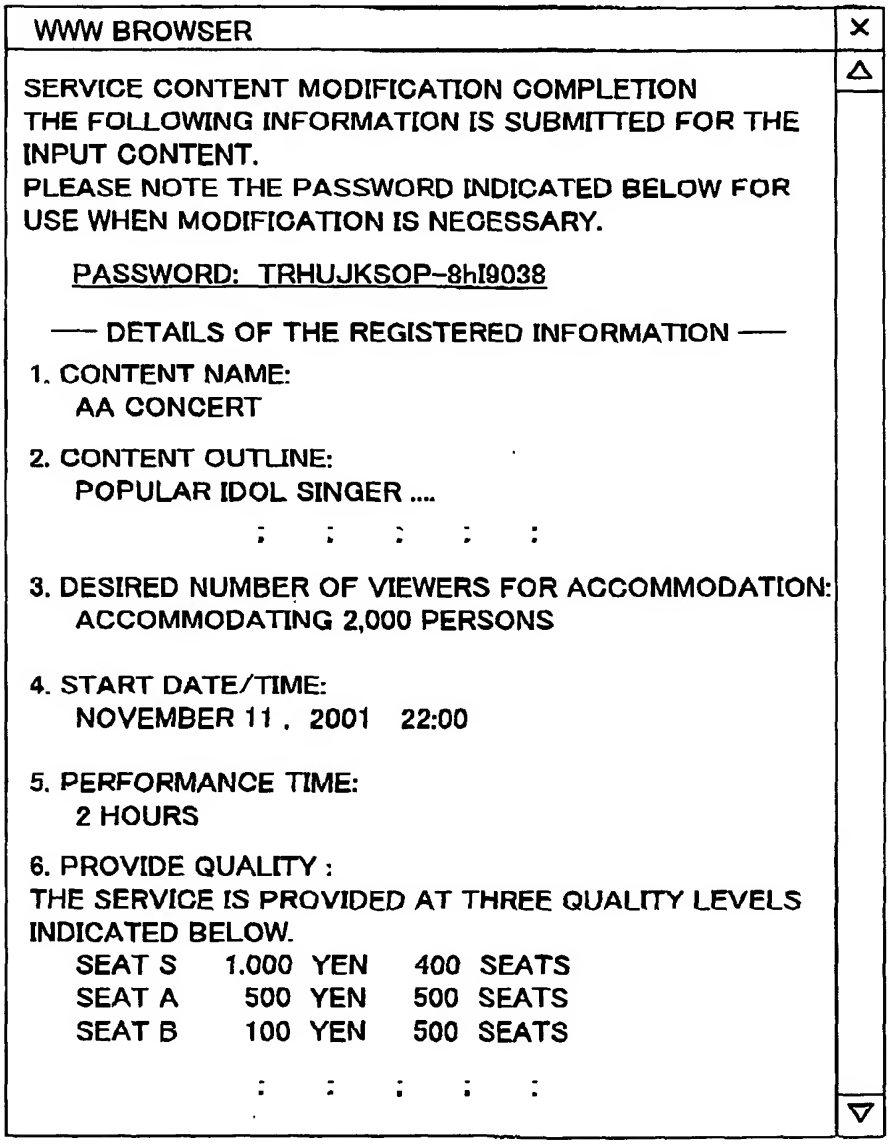


FIG. 11

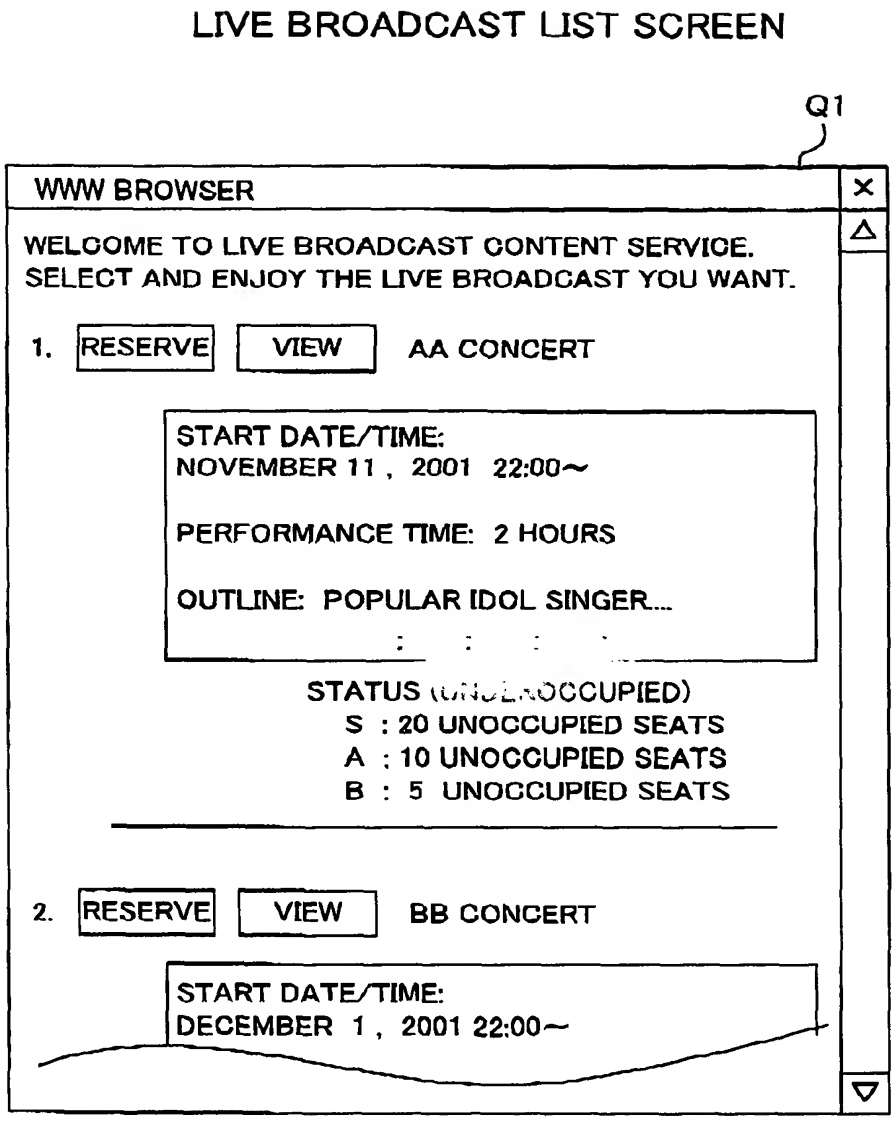

LIVE BROADCAST LIST SCREEN
Q1
WWW BROWSER
WELCOME TO LIVE BROADCAST CONTENT SERVICE.
SELECT AND ENJOY THE LIVE BROADCAST YOU WANT.
1. RESERVE VIEW AA CONCERT
START DATE/TIME:
NOVEMBER 11 , 2001 22:00~
PERFORMANCE TIME: 2 HOURS
OUTLINE: POPULAR IDOL SINGER...
STATUS (UNOCCUPIED)
S : 20 UNOCCUPIED SEATS
A : 10 UNOCCUPIED SEATS
B : 5 UNOCCUPIED SEATS
2. RESERVE VIEW BB CONCERT
START DATE/TIME:
DECEMBER 1 , 2001 22:00~

FIG. 12

LIVE BROADCAST RESERVATION SCREEN
(LIVE BROADCAST RESERVATION ACCEPTANCE)

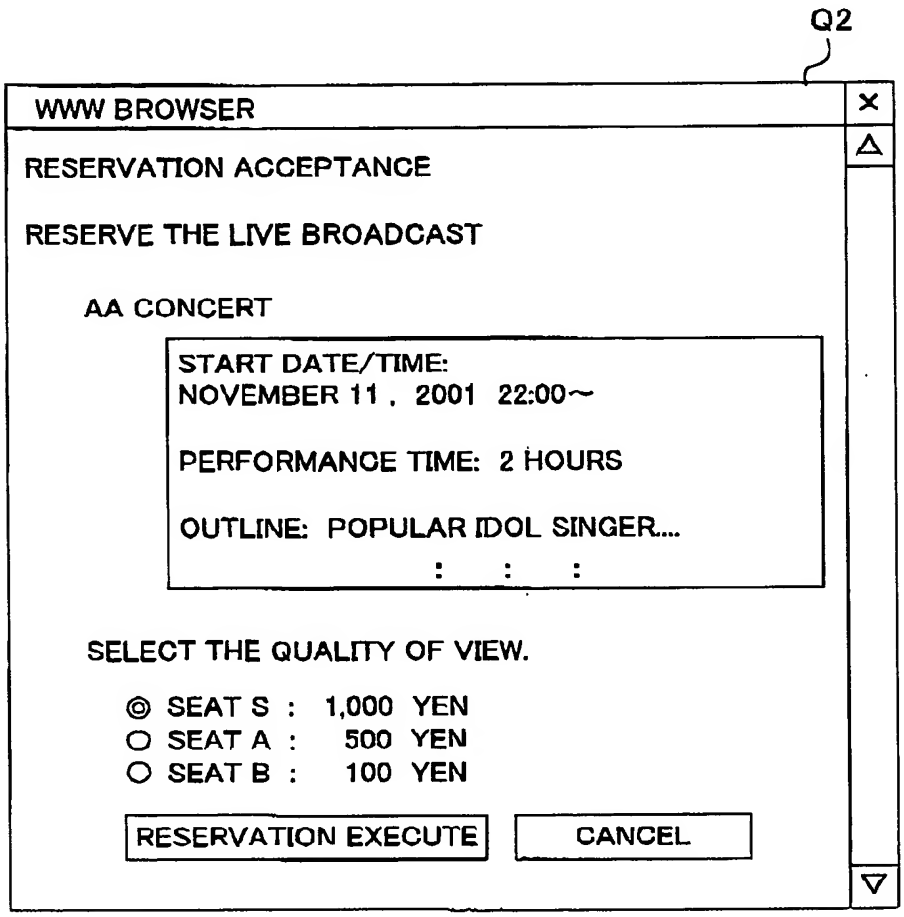


FIG. 13

LIVE BROADCAST RESERVATION SCREEN
(LIVE BROADCAST RESERVATION COMPLETION)

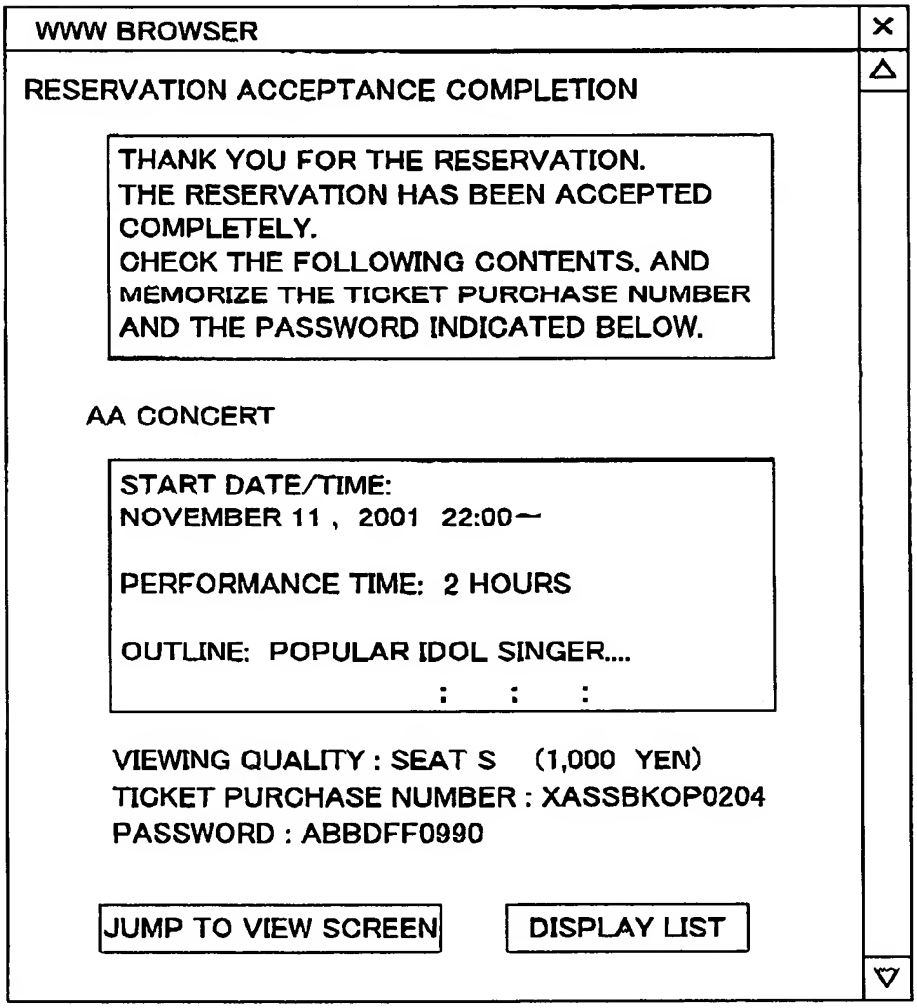


FIG. 14

VIEWER INFORMATION

CONTENT ID :xxxx
VIEWER ID
PASSWORD
PHYSICAL CONNECTION INFORMATION
IP ADDRESS
REQUESTED SEAT: SEAT S
TICKET PURCHASE NUMBER
PASSWORD PROPER TO TICKET PURCHASE NUMBER

FIG. 15

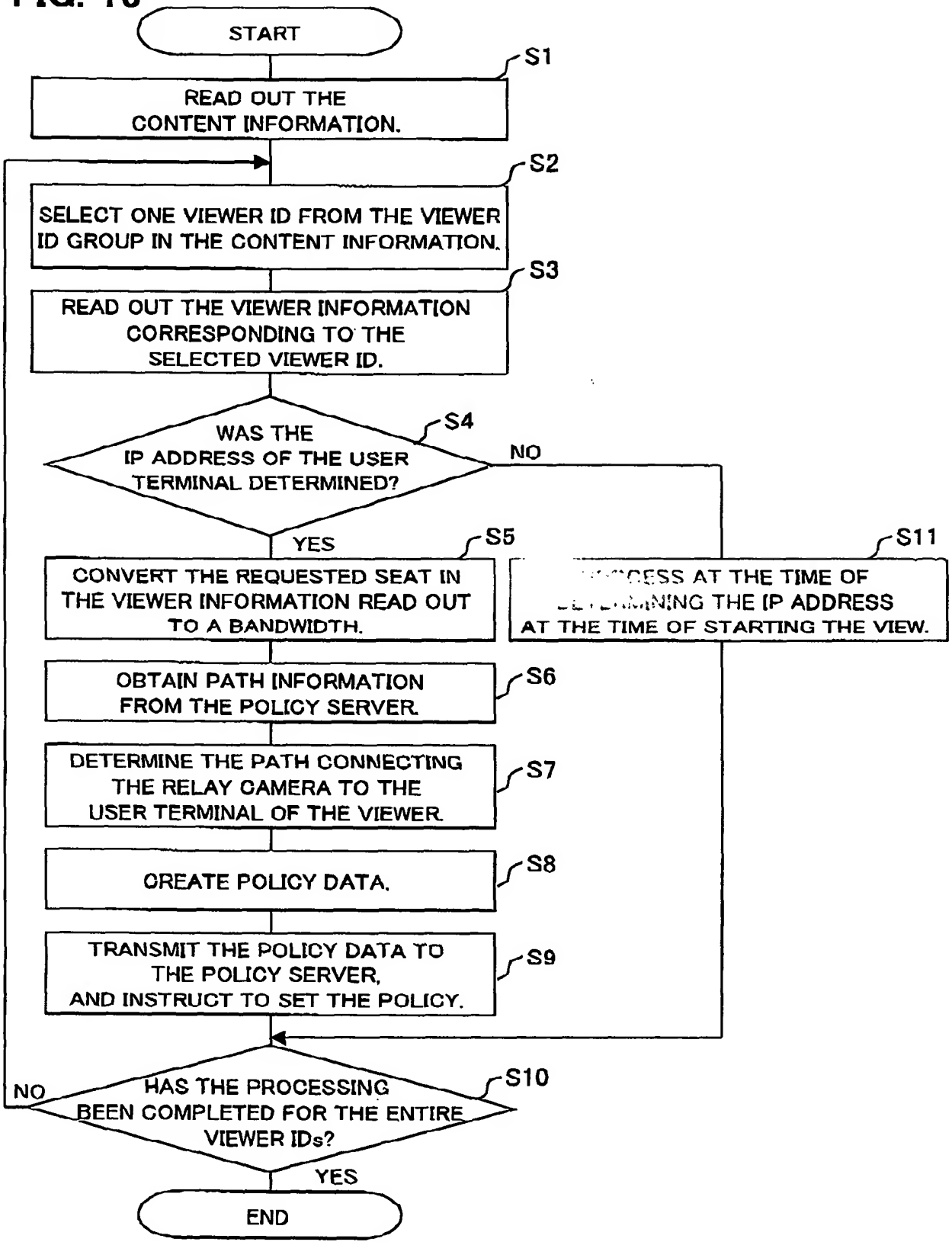

START
S1
READ OUT THE CONTENT INFORMATION.
S2
SELECT ONE VIEWER ID FROM THE VIEWER ID GROUP IN THE CONTENT INFORMATION.
S3
READ OUT THE VIEWER INFORMATION CORRESPONDING TO THE SELECTED VIEWER ID.
S4
WAS THE IP ADDRESS OF THE USER TERMINAL DETERMINED?
NO
YES
S5
CONVERT THE REQUESTED SEAT IN THE VIEWER INFORMATION READ OUT TO A BANDWIDTH.
S11
PROCESS AT THE TIME OF DETERMINING THE IP ADDRESS AT THE TIME OF STARTING THE VIEW.
S6
OBTAIN PATH INFORMATION FROM THE POLICY SERVER.
S7
DETERMINE THE PATH CONNECTING THE RELAY CAMERA TO THE USER TERMINAL OF THE VIEWER.
S8
CREATE POLICY DATA.
S9
TRANSMIT THE POLICY DATA TO THE POLICY SERVER, AND INSTRUCT TO SET THE POLICY.
S10
NO
HAS THE PROCESSING BEEN COMPLETED FOR THE ENTIRE VIEWER IDs?
YES
END

FIG. 16

ENTITY—BANDWIDTH INFO.

SEAT	BANDWIDTH
SEAT S	6Mbps
SEAT A	1Mbps
SEAT B	BEST EFFORT

FIG. 17

POLICY DATA

DESTINATION ADDRESS OF THE USER TERMINAL T1
BANDWIDTH:6Mbps
ADDRESS OF THE ROUTER R1 :192.168.1.1
ADDRESS OF THE PORT 1a :192.168.1.2
ADDRESS OF THE PORT 1c :192.168.1.3
ADDRESS OF THE ROUTER R2 :192.168.2.1
ADDRESS OF THE PORT 2a :192.168.2.2
ADDRESS OF THE PORT 2c :192.168.2.3
ADDRESS OF THE ROUTER R3 :192.168.3.1
ADDRESS OF THE PORT 3a :192.168.3.2
ADDRESS OF THE PORT 3d :192.168.3.3

FIG. 18

VIEW SCREEN
(LIVE BROADCAST VIEW ACCEPTANCE)

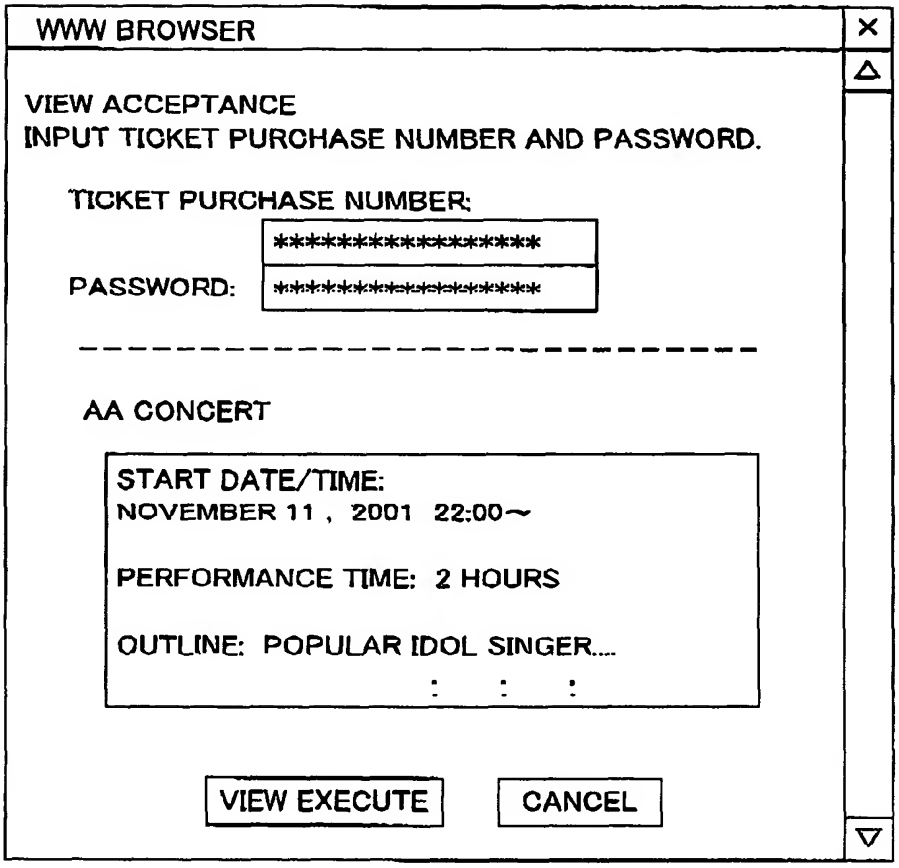
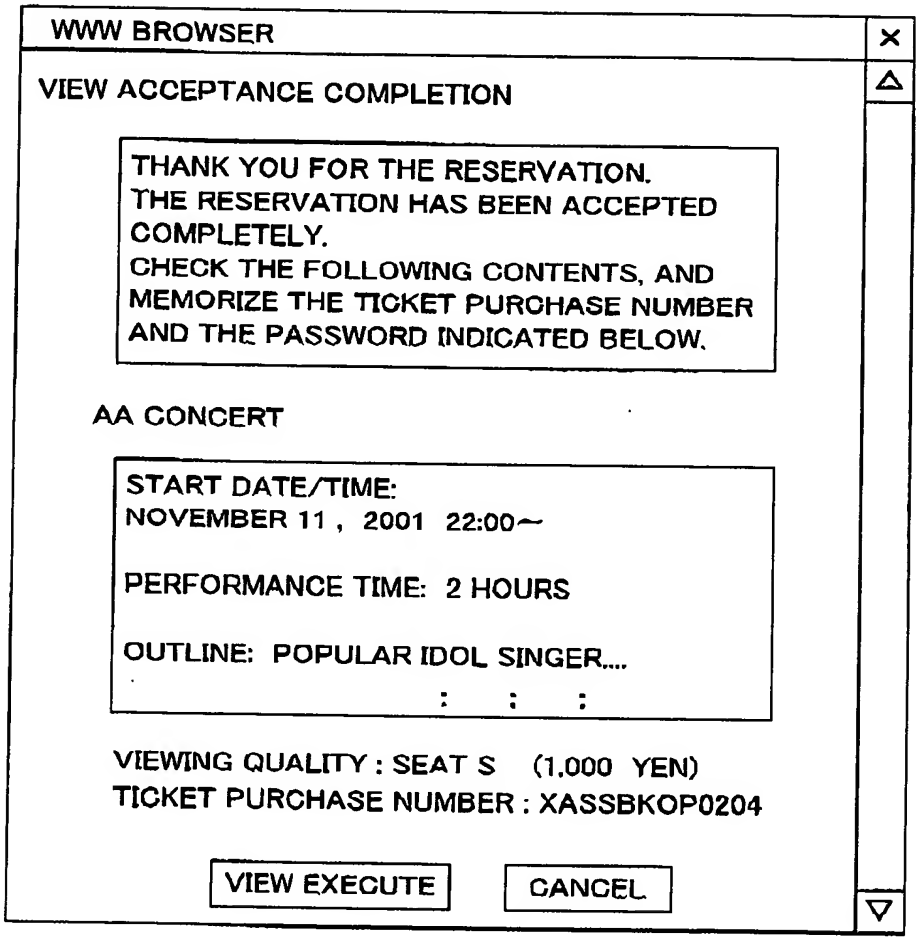


FIG. 19

VIEW SCREEN
(LIVE BROADCAST VIEW ACCEPTANCE COMPLETION)